

LOAD SENSING VOLTAGE REGULATOR  
FOR PLL/DLL ARCHITECTURES

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ABSTRACT OF THE DISCLOSURE

10       An apparatus includes a voltage regulator operable  
to regulate a supply voltage to an on-chip module having  
an operational current, draw a supply current, and supply  
the operation current to the on-chip module. The supply  
current drawn by the voltage regulator is proportional to  
the operating current of the on-chip module.